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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference PCT 21069	FOR FURTHER ACTION	TION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/I						
International application No.	International filing date (day	/month/year)	Priority date (day/month/year)					
PCT/US03/09274	27 March 2003 (27.03.2003		29 March 2002 (29.03.2002)					
International Patent Classification (IPC) or national classification and IPC								
IPC(7): C12Q 1/70; C12N 7/00; A61K 31/395 and US Cl.: 435/5, 235.1; 424/233.1 Applicant								
MERCK & CO., INC.								
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.								
2. This REPORT consists of a total of \(\square\) sheets, including this cover-sheet.								
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).								
These annexes consist of a total of sheets.								
3. This report contains indica	3. This report contains indications relating to the following items:							
I Basis of the rep	ort							
II Priority								
III Non-establishm	ent of report with regard to	novelty, inventive	e step and industrial applicability					
IV Lack of unity o	f invention							
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
VII Certain defects in the international application								
VIII Certain desects in the international application								
Date of submission of the demand		Date of completion of this report						
20 October 2003 (20.10.2003)		19 July 2004 (19.07.2004)						
Name and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450		autilorized officer Machine Bell Harris for						
Facsimile No. (703) 872-9306		Telephone No. (571) 4/2-1000					

Form PCT/IPEA/409 (cover sheet)(July 1998)

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International application No.
PCT/US03/09274

I.	Basi	is of the report
1.	With	regard to the elements of the international application:*
	\boxtimes	the international application as originally filed.
	冈	the description:
		pages 1-32 as originally filed
		pages NONE , filed with the demand
	K3	pages NONE , filed with the letter of
	\bowtie	the claims:
		pages 33-38 , as originally filed pages NONE , as amended (together with any statement) under Article 19
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
	X	the drawings:
	Z	pages 1-9 , as originally filed
		pages NONE filed with the demand
		pages NONE , filed with the letter of
		the sequence listing part of the description:
		pages NONE, as originally filed
		pages NONE , filed with the demand pages NONE , filed with the letter of
2	XX7 ;+1	h regard to the language, all the elements marked above were available or furnished to this Authority in the
۷.	lang	uage in which the international application was filed, unless otherwise indicated under this item.
	The	se elements were available or furnished to this Authority in the following language which is:
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	同	the language of publication of the international application (under Rule 48.3(b)).
	同	the language of the translation furnished for the purposes of international preliminary examination(under Rules
		55.2 and/or 55.3).
3.	Wit	h regard to any nucleotide and/or amino acid sequence disclosed in the international application, the
	inter	national preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
		international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing
		has been furnished.
4.		The amendments have resulted in the cancellation of:
		the description, pages NONE
		the claims, Nos. NONE
		the drawings, sheets/fig NONE
_		
5.	ш	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
thi.	s repo	cement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in ort as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.
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1. STATEMENT			
		•	
Novelty (N)	Claims	NONE	YES
	Claims	1-46	NO
	Claima	NONE	YES
Inventive Step (IS)	Claims		NO
	Catalas		
Industrial Applicability (IA)	Claims	1-46	YES
:	Claims	NONE	NO
Claims 1-46 meet the criteria set out in PCT Article	such as adentication of adech as impinging the thought of the color of a by and suggests.	novirus, tree of cell-lysis components. The rus seed stock, such as adenovirus. noviral vectors comprising growing host celug jets and hollow fiber ultrafiltration (col. 21, lines 1-11). Pluronic F-68 (0.1%) can be denovirus from cell lysates, such as clarification.	lls, infecting with 2, lines 58-61 and col. e used in the culture

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VIII.	Certain	observations	on the	international	application
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The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made:

Claims 2-5, 8-15, 17-20 and 25-30 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claims 2-5, 8-15, 17-20 and 25-30 are indefinite for the following reason(s): The use of the trademark Pluronic®F-68 renders the claims indefinite because the exact formula of a trademark such as Pluronic®F-68 may be altered at any time. The claims have been searched only with regard to the trademark name.

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